



would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

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# FEES

<input checked="" type="checkbox"/>	<p>No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith is being filed:</p> <p><input type="checkbox"/> within three months of the filing date of the application or date of entry into the national stage of an international application or</p> <p><input checked="" type="checkbox"/> before the mailing date of a first Office Action on the merits, whichever occurs last. 37 C.F.R. 1.97(b).</p> <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input type="checkbox"/>	<p>The information disclosure statement transmitted herewith is being filed after three months of the filing date of this national application or the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever occurred last but before the mailing date of either:</p> <p>(1) a final action under 37 C.F.R. 1.113 or</p> <p>(2) a notice of allowance under 37 C.F.R. 1.311,</p> <p>whichever occurs first. This Information Disclosure Statement is accompanied by:</p> <p><input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p> <p>OR</p> <p><input type="checkbox"/> A check in the amount of \$240.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.</p>
<input type="checkbox"/>	<p>This Information Disclosure Statement is being submitted after the mailing date of a final action under § 1.113 or a notice of allowance under § 1.311, but before payment of the issue fee.</p> <p><input type="checkbox"/> This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e)</p> <p>AND</p> <p><input type="checkbox"/> Applicants hereby petition for consideration of the references disclosed herein. Enclosed is a petition fee in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970.</p>
<input type="checkbox"/>	<p>Applicant elects to pay the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement, and the enclosed check includes \$240.00 for payment of such fee. Please credit any overpayment or charge any underpayment to Deposit Account No. 19-1970. Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.</p>

**Certification (37 C.F.R. 1.97(e))**  
(Applicable only if checked)

☐ The undersigned certifies that:

☐ Each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).

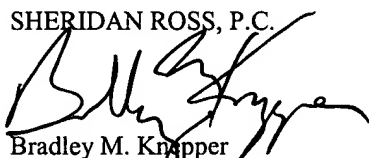
☐ A copy of the communication from the foreign patent office is enclosed.

OR

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

Respectfully submitted,

SHERIDAN ROSS, P.C.

  
Bradley M. Knapper  
Registration No. 44,189

SHERIDAN ROSS, P.C.  
1560 Broadway, Suite 1200  
Denver, CO 80202-5141  
303-863-9700  
FAX: 303-863-0223

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 4215DLS-1	SERIAL NO. 09/960,467
	APPLICANT SMITH	
	FILING DATE September 19, 2001	GROUP ART 2121



## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	AA	6,232,985	5/15/01	CHASE et al.	G06T 11	20	
	AB	5,903,886	5/11/99	HEIMLICH et al.	706	50	
	AC	5,444,843	8/22/95	NILSSON et al.	395	161	
	AD	4,964,060	10/16/90	HARTSOG	364	512	
	AE	4,922,432	5/1/90	KOBAYASHI et al.	364	490	
	AF	4,885,694	12/5/89	PRAY et al.	364	464.01	

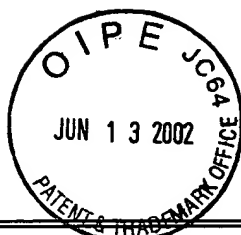
## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	AG	00035990 JP	2/2/00	Japan	G06F 17	60		
	AH	08-180082	7/12/96	Japan	G06F 17	50		
	AI	1 432 615	4/22/76	Great Britain	G06F 15	20		

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AJ	Robinson Engineering, Inc., <i>Introduction to Design Master</i> , no date given, pp. I-7 to B25
	AK	(no author), <i>Knowledge-based Engineering and The ICAD System, Release 7.0</i>
	AL	Schlueter, Georg J., Ph.D., et al., <i>SYSTEM APPLICATIONS IN HIGHLY AUTOMATED ENGINEERING ENVIRONMENTS</i> , Integration Partners, Inc., downloaded September 14, 2001, available at <a href="http://www.integrationpartners.com">www.integrationpartners.com</a> .

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

SHEET 2 OF 2

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
4215DLS-1SERIAL NO.  
09/960,467INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)APPLICANT  
SMITHFILING DATE  
September 19, 2001GROUP ART  
2121RECEIVED  
JUN 26 2002  
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AM	Buzzsaw, Inc., Products and Services Overview Page, downloaded September 13, 2001, available at <a href="http://www.buzzsaw.com">www.buzzsaw.com</a> , Copyright 1999-2001, Buzzsaw, Inc.
AN	IntelCAD Systems, Product Overview of IntelCAD-RC, downloaded September 13, 200, available at <a href="http://www.intelcad.com">www.intelcad.com</a> , Copyright 1999-2001 IntelCAD Systems.
AO	Goulette, F., <i>AUTOMATIC CAD MODELING OF INDUSTRIAL PIPES FROM RANGE IMAGES</i> , Proceedings of the International Conference on Recent Advances in 3-D Digital Imaging and Modeling, downloaded September 13, 2001, available at <a href="http://www.computer.org">www.computer.org</a> , Copyright 1997, Institute of Electrical and Electronics Engineers, Inc.
AP	Knowledge Technologies International, product overview of The ICAD System, downloaded September 13, 2001, available at <a href="http://www.ktiworld.com">www.ktiworld.com</a> , Copyright 2001 Knowledge Technologies International.
AQ	Lipson, et al., <i>TOWARDS A UNIVERSAL KNOWLEDGE DATABASE FOR DESIGN AUTOMATION</i> , Proceedings of ICAD2000 First International Conference on Axiomatic Design, June 21-23, 2000.
AR	Ning, Y., et al., <i>A METHOD FOR DATA TRANSFER FROM CAD TO ESTIMATING SYSTEM</i> , Information Processing in Civil and Structural Engineering Design, August 14, 1996, pp. 115-118, CIVIL-COMP Ltd., Edinburgh, Scotland.
AS	Sauce, et al., <i>A KNOWLEDGE-BASED SYSTEM FOR CONSTRUCTION-SITE ORGANIZATION</i> , Microcomputers in Civil Engineering, 1995, vol. 10, pp. 187-197, Blackwell Publishers, Cambridge, Massachusetts.
AT	Johansson, Olof, <i>USING AN EXTENDED ER-MODEL BASED DATA DICTIONARY TO AUTOMATICALLY GENERATE PRODUCT MODELING SYSTEMS</i> , June 21, 1994, Department of Computer and Information Science, Linköping University, Sweden.
AU	Lewis, et al., <i>GENERATION OF 3D BUILDING MODELS FROM 2D ARCHITECTURAL PLANS</i> , Computer-Aided Design, vol. 20, no. 10, pp. 765-779, 1998.

EXAMINER

DATE CONSIDERED

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